



# Preliminary Data sheet

Tailor made Engineering Plastic

## Product: Kaycom PA6 102-H/GF25 Black 94222

Injection moulding type reinforced 25% glass fibres

TYPICAL PROPERTIES ①	Standard	Unit	TYPICAL VALUE	
			Dry	Conditioned
<b>PHYSICAL:</b>				
Density	ISO 1183	g/cm <sup>3</sup>	1.32	--
Moisture absorption (23°C / 50% RH)	ISO 62	%		
Melt Volume Rate, MVR at 275°C/5kg	ISO 1133	cm <sup>3</sup> /10 min	50	--
Filler content		%	25	--
<b>MECHANICAL:</b>				
Tensile Modulus	23°C ISO 527 -2	Mpa	7200	5000
Tensile Stress at break	23°C ISO 527 -2	Mpa	150	88
Tensile Strain, yield	23°C ISO 527 -2	%	3	5
Flexural Modulus	23°C ISO 178/A	MPA		
<b>IMPACT:</b>				
Izod Impact, notched	23°C ISO 180	KJ/m <sup>2</sup>		
Charpy impact unnotched	23°C ISO 179	KJ/m <sup>2</sup>	50	
Charpy notched impact strength	23°C ISO 179	KJ/m <sup>2</sup>	6	
<b>THERMAL:</b>				
Vicat softening temperature	ISO 306	°C		
Heat deflection temperature HDT A	ISO 75	°C	203	--
Flammability UL 94	UL 94	mm	HB	--
<b>ELECTRICAL:</b>				
Volume Resistivity	IEC 60093	Ohm-cm		
Dielectric Strength in oil 0,8 mm	IEC 60243	KV/mm		
<b>PROCESSING PARAMETERS / Injection moulding</b>				
Drying Temperature		°C	80	
Drying Time		Hrs	4 - 10	
Melt Temperature		°C	260 - 290	
Mould Temperature		°C	80 -120	

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① Typical values only. Variations within normal tolerances are possible for various colours. All values are measured in line with ISO 1874 preparation of test specimens and determination of properties. All properties are to our best knowhow.